

# NORMALS, MEANS, AND EXTREMES

BRISTOL-JHNSN CTY-KN, TN (TRI)

LATITUDE: 36° 28' 47" N      LONGITUDE: 82° 23' 56" W      ELEVATION (FT): GRND: 1507      BARO: 1558      TIME ZONE: EASTERN (UTC+ 5)      WBAN: 13877

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	43.7	48.0	58.9	67.4	75.2	82.2	84.6	84.1	79.1	69.1	58.2	48.1	66.5
	MEAN DAILY MAXIMUM	50	45.0	49.4	58.1	67.8	76.0	82.8	85.6	84.8	79.4	68.0	57.5	48.1	66.9
	HIGHEST DAILY MAXIMUM	52	79	80	85	89	92	97	102	101	100	90	81	78	102
	YEAR OF OCCURRENCE		1950	1977	1954	1995	1969	1952	1952	1988	1954	1954	1993	1951	JUL 1952
	MEAN OF EXTREME MAXS.	50	65.5	68.9	77.1	83.9	86.5	90.9	92.5	91.9	89.3	80.3	74.8	67.2	80.7
	NORMAL DAILY MINIMUM	30	24.3	26.8	35.4	43.0	51.6	59.9	64.1	63.1	56.6	44.2	35.9	28.2	44.4
	MEAN DAILY MINIMUM	50	25.9	28.3	35.1	43.4	52.3	60.5	64.6	63.2	56.5	43.8	35.0	28.5	44.8
	LOWEST DAILY MINIMUM	52	-21	-15	-2	21	30	38	45	43	34	20	5	-9	-21
	YEAR OF OCCURRENCE		1985	1996	1980	1982	1997	1966	1947	1986	1983	1962	1950	1962	JAN 1985
	MEAN OF EXTREME MINS.	50	4.8	8.8	18.3	27.4	37.6	48.5	55.3	53.7	42.8	28.8	19.1	9.9	29.6
	NORMAL DRY BULB	30	34.0	37.4	47.2	55.2	63.4	71.1	74.4	73.6	67.9	56.7	47.0	38.2	55.5
	MEAN DRY BULB	50	35.5	38.9	46.6	55.6	64.1	71.6	75.0	73.9	68.0	55.8	46.3	38.3	55.8
	MEAN WET BULB	13	32.1	35.2	41.4	48.2	57.3	65.1	68.6	62.4	61.2	47.1	39.1	32.4	49.2
	MEAN DEW POINT	13	26.5	28.7	34.1	41.2	52.6	61.5	65.4	59.6	57.7	42.6	34.0	27.4	44.3
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	0.3	2.5	5.1	3.7	1.7	0.0	0.0	0.0	13.3	
MAXIMUM ≤ 32°	30	5.6	2.9	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.9	12.0	
MINIMUM ≤ 32°	30	23.7	19.4	13.2	3.7	0.2	0.0	0.0	0.0	0.0	2.9	12.2	20.5	95.8	
MINIMUM ≤ 0°	30	1.0	0.3	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.5	
H/C	NORMAL HEATING DEG. DAYS	30	961	773	552	298	121	6	0	0	44	280	540	831	4406
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	71	189	291	267	131	23	0	0	972
RH	NORMAL (PERCENT)	30	71	68	64	62	71	74	76	77	76	72	71	72	71
	HOUR 01 LST	30	76	74	72	71	83	86	88	89	88	83	79	78	81
	HOUR 07 LST	30	80	79	79	80	88	90	91	93	92	89	84	81	86
	HOUR 13 LST	30	62	59	52	49	55	57	60	60	58	53	56	62	57
	HOUR 19 LST	30	65	61	54	51	60	62	67	69	70	64	64	67	63
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	55	3.3	2.5	1.4	1.6	3.6	3.9	4.8	7.0	5.4	5.1	2.8	3.1	44.5
	THUNDERSTORMS	55	0.3	0.9	2.0	3.4	6.5	8.2	9.1	7.1	3.4	0.8	0.4	0.2	42.3
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1					4.8	4.0							
	MIDNIGHT-MIDNIGHT (OKTAS)	1						4.0							
	MEAN NO. DAYS WITH:														
	CLEAR	1	2.0	2.0	3.0		10.0	10.0							
PARTLY CLOUDY	1	1.0	2.0	2.0		5.0	7.0								
CLOUDY	1	1.0	6.0	10.0		6.0	5.0								
PR	MEAN STATION PRESSURE (IN)	25	28.50	28.50	28.40	28.40	28.40	28.40	28.50	28.50	28.50	28.50	28.50	28.49	28.47
	MEAN SEA-LEVEL PRES. (IN)	14	30.13	30.10	30.05	29.98	30.01	30.01	30.04	27.74	30.08	27.96	30.13	27.99	29.52
WINDS	MEAN SPEED (MPH)	34	6.4	6.6	7.3	6.9	5.4	4.7	4.3	3.9	4.3	4.4	5.7	5.9	5.5
	PREVAIL. DIR (TENS OF DEGS)	25	24	27	24	24	24	24	25	04	06	06	24	24	24
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	2	40	29	34	39	32	37	33	32	25	31	32	34	40
	DIR. (TENS OF DEGS)		24	29	26	25	25	26	23	28	27	28	23	25	24
	YEAR OF OCCURRENCE		1996	1996	1996	1996	1997	1996	1996	1996	1997	1996	1997	1996	JAN 1996
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	2	51	34	46	54	41	52	52	38	31	38	38	40	54
DIR. (TENS OF DEGS)		26	27	26	27	24	33	24	27	27	28	22	25	27	
YEAR OF OCCURRENCE		1996	1997	1996	1996	1997	1997	1997	1996	1997	1996	1997	1996	APR 1996	
PRECIPITATION	NORMAL (IN)	30	3.23	3.44	3.70	3.30	3.84	3.54	4.32	3.17	3.26	2.59	2.94	3.39	40.72
	MAXIMUM MONTHLY (IN)	52	9.18	7.75	9.56	5.85	9.71	6.97	9.73	7.07	7.09	5.65	5.90	6.75	9.73
	YEAR OF OCCURRENCE		1957	1994	1955	1970	1950	1989	1949	1966	1972	1959	1948	1961	JUL 1949
	MINIMUM MONTHLY (IN)	52	1.37	0.75	1.31	0.21	1.31	0.75	0.67	0.55	0.50	0.07	1.07	0.21	0.07
	YEAR OF OCCURRENCE		1981	1968	1985	1976	1966	1986	1995	1987	1985	1963	1953	1965	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	52	2.34	2.48	3.35	2.66	3.26	3.10	2.90	3.07	3.61	3.65	2.55	2.95	3.65
	YEAR OF OCCURRENCE		1950	1994	1973	1977	1984	1954	1946	1982	1972	1964	1957	1969	OCT 1964
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	13.2	11.8	12.4	11.3	11.9	11.1	12.0	10.2	8.3	8.4	10.4	11.5	132.5	
PRECIPITATION ≥ 1.00	30	0.3	0.6	0.6	0.5	0.7	0.6	1.0	0.8	0.9	0.6	0.3	0.6	7.5	
SNOWFALL	NORMAL (IN)	30	6.9	5.4	1.7	0.7	T	0.0	0.0	0.0	0.0	0.*	0.7	3.2	18.6
	MAXIMUM MONTHLY (IN)	59	22.1	20.4	27.9	14.8	T	T	0.0	0.0	T	1.3	18.1	12.9	27.9
	YEAR OF OCCURRENCE		1966	1979	1960	1987	1992	1995			1994	1993	1952	1963	MAR 1960
	MAXIMUM IN 24 HOURS (IN)	53	13.0	11.5	14.2	10.0	T	T	0.0	0.0	T	1.3	16.2	9.6	16.2
	YEAR OF OCCURRENCE		1996	1996	1993	1987	1992	1995			1994	1993	1952	1969	NOV 1952
	MAXIMUM SNOW DEPTH (IN)	47	13	10	13	11	0	0	0	0	0	1	12	20	20
	YEAR OF OCCURRENCE		1966	1969	1960	1987						1993	1952	1948	DEC 1948
	NORMAL NO. DAYS WITH:														
SNOWFALL ≥ 1.0	30	2.3	1.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	5.7	